ENCYCLOPÉDIE MODERNE DICTIONNAIRE ABREGÉ DES SCIENCES, DES…



Ex Libris Ioannis Nencini
1874

ENCYCLOPÉDIE MODERNE.

ATLAS.

TOME II.

PARIS. — TYPOGRAPHIE DE FIRMIN DIDOT FRÈRES, RUE JACOB, 56

ENCYCLOPÉDIE

MODERNE,

OU

DICTIONNAIRE ABRÉGÉ

DES SCIENCES, DES LETTRES, DES ARTS,

DE L'INDUSTRIE, DE L'AGRICULTURE ET DU COMMERCE.

ATLAS.

TOME DEUXIÈME

CHRONOMÉTRIE. — GÉOLOGIE. — GÉOMÉTRIE
HYDROSTATIQUE — HISTOIRE NATURELLE — MÉTALLURGIE
ART MILITAIRE — MUSIQUE

PARIS,

FIRMIN DIDOT FRÈRES, ÉDITEURS,

IMPRIMEURS-LIBRAIRES DE L'INSTITUT DE FRANCE,

RUE JACOB 56.

M DCCC LII

ENCYCLOPÉDIE

MODERNE,

OU

DICTIONNAIRE ABRÉGE

DES SCIENCES, DES LETTRES ET DES ARTS

TABLE DES PLANCHES

CONTENUES

DANS LE DEUXIÈME VOLUME.

CHRONOMÉTRIE

5 PLANCHES.

Planche 1. Cadrans solaires.
— 2. Clepsydres.
— 3. Id
— 4. Pendules.
— 5. Horloge de ville.

GÉOLOGIE

6 PLANCHES.

Planche 1. Écorce de la terre.
— 2. Chaussée des Géants (Irlande).
— 3. Grotte de Fingal.
— 4. Cataracte ou chute du Niagara
— 5 id id
— 6 Cataracte du Nil.

GÉOMETRIE

12 PLANCHES.

Planches 1 à 8. Figures diverses
— 9. Cercle répétiteur.
— 10. Octant, sextant et cercle de réflexion.
— 11 Perspectives
— 12 id.

HYDROSTATIQUE ET HYDRODYNAMIQUE

27 PLANCHES

NOTA Par suite d'une confusion dans le numérotage des planches de l'Hydrostatique et de l'Hydrodynamique qui sont numérotées 1 à 31, et qui ne devraient former que 27 planches, les planches n° 4, 13, 16, 19, 20, n'existent pas

Planche 1. Niveaux.
— 2. Instruments divers.
— 3 id id.

Planche 5 Instruments divers.
— 6. Pompes
— 7. id
— 8 id
— 9 Turbines.
— 10 id
— 11 Pompes
— 12 Pompes à incendie.
— 14 id id
— 16 Presse hydraulique
— 17. id id
— 18 Machine à colonne d'eau
— 21 Machine pneumatique
— 22 id id
— 23 id. id
— 24 id id
— 25 id id
— 26 Raréfaction de l'air
— 27 Instruments divers
— 28 Aérostats.
— 29. id
— 30 Cloches à plongeur.
— 31. Roues à aubes.
— 32 id.

HISTOIRE NATURELLE

47 PLANCHES

NOTA La planche 44 est bis, et la planche 45 n'existe pas

Planche 1. Anatomie comparée. Ostéologie
— 2 id id
— 3 id id
— 4. id Myologie.
— 5 id Système nerveux
— 6 id Organes des sens
— 7. id. Organes nutritifs.
— 8. id. id.
— 9 id. Appareil respiratoire
— 10 id Appareil circulatoire.
— 11. Zoologie générale.
— 12 id Mammifères.
— 13 id Cétacés.
— 14 id id
15 id Oiseaux.
— 16 id id

Planche 17 Zoologie générale. Reptiles
— 18. id Amphibiens et Nudipellifères
— 19 id. Poissons
— 20 id Mollusques
— 21. id id
— 22 id. Annélides
— 23 id id
— 24 id Crustacés
— 25 id id
— 26 id Arachnides
— 27 id. id
— 28 Insectes aptères.
— 29 Insectes
— 30. Insectes nuisibles aux céréales
— 31 id. id.
— 32 id. nuisibles à l'agriculture
— 33 Abeilles
— 34 id
— 35 Zoologie. Zoophytes.
— 36 Botanique Système de Linne
— 37 id. Système de Jussieu
— 38 id. id
— 39 id id
— 40 id. Champignons
— 41 id id
— 42 Animaux fossiles
— 43 id. id
— 44 Plantes fossiles.
— 44 bis Animaux fossiles.
— 46 id id
— 47. id. id

MÉTALLURGIE

7 PLANCHES

Planches 1 et 2 Affinage du cuivre
— 3 Essai des métaux
— 4, 5, 6 Traitement du fer.
— 7. Machines soufflantes.

ART MILITAIRE

12 PLANCHES

NOTA La planche 11 est remplacée par la planche 7 bis

Planche 1 Fortifications

MUSIQUE

10 PLANCHES.

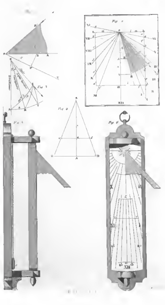


Fig. 1

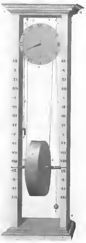


Fig.



Fig. 2



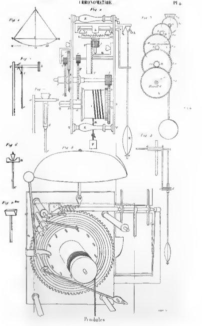
Fig. 7



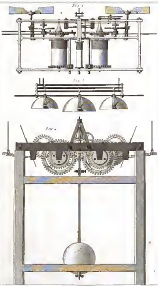
Fig. 8





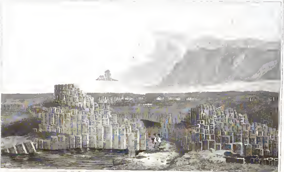


Pendules

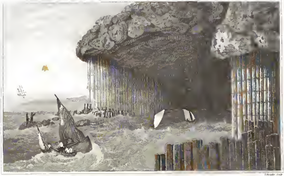


Horloge de ville





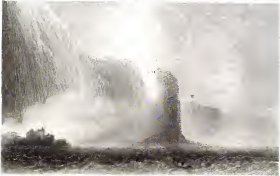
CHAUSSÉE DES GÉANTS
prise du Cap Fairhead dans le Comté d'Antrim en Irlande



GROTTE DE FINGAL DANS L'ILE DE STAFFA (l'une des Hébrides)



CATARACTE OU CHUTE DU NIAGARA (vue de Goat-Island)



CATARACTE OU CHUTE DU NIAGARA (vue du Bas.)



VUE DES CATARACTES DU NIL

Fig. 1



Fig. 2



Fig. 5



Fig. 3



Fig. 4



Fig. 6

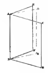


Fig. 7

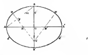


Fig. 9



Fig. 8

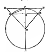


Fig. 12

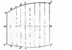


Fig. 10



Fig. 11



Fig. 17

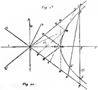


Fig. 18

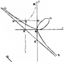


Fig. 22

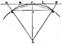


Fig. 20

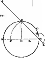


Fig. 21

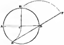


Fig. 23

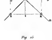


Fig. 26



Fig. 24

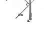


Fig. 25

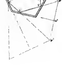


Fig. 27



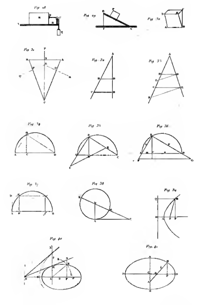

Fig. 28
Fig. 29
Fig. 30
Fig. 31
Fig. 32
Fig. 33
Fig. 34
Fig. 35
Fig. 36
Fig. 37
Fig. 38
Fig. 39
Fig. 40
Fig. 41

Fig. 40

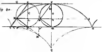


Fig. 44



Fig. 43

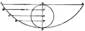


Fig. 42

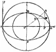


Fig. 45

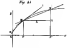


Fig. 51

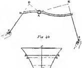


Fig. 47

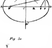


Fig. 46



Fig. 49

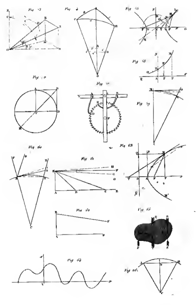


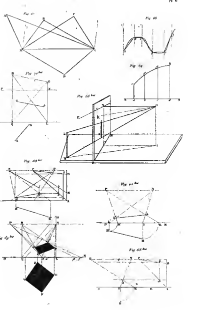
Fig. 50

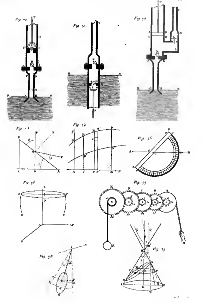


Fig. 52

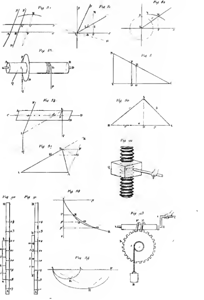


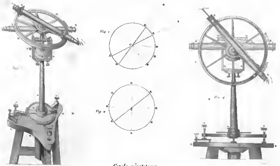




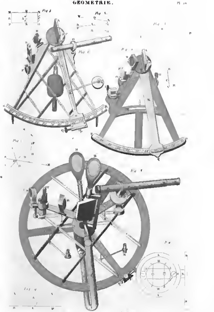


GÉOMÉTRIE



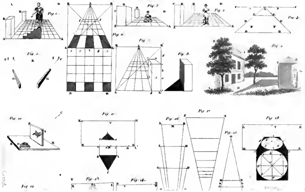


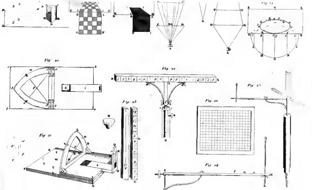
Cercle répétiteur



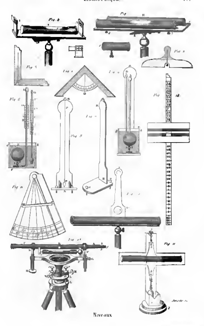
Octant, Sextant et Cercle de réflexion

GEOMETRIE





Perspective



Niveaux

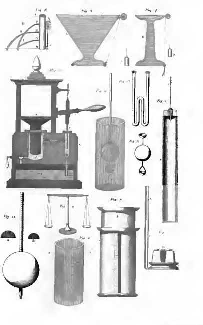




Fig. 6

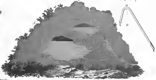


Fig. 8



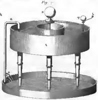


Fig. 9



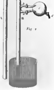


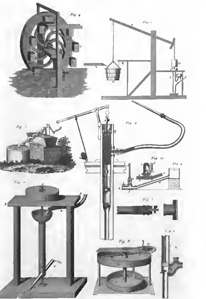
Fig. 3

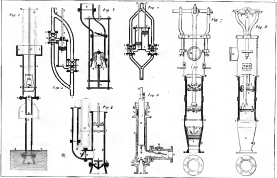


Fig. 4

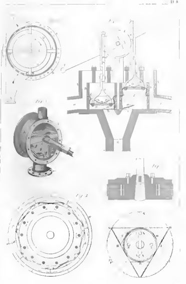






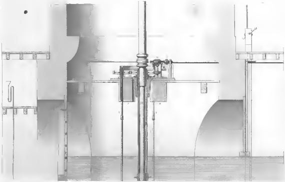


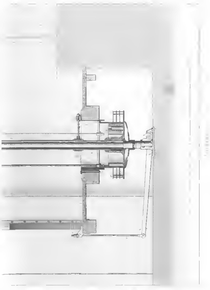
Pompes.

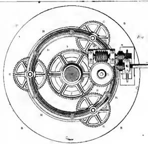


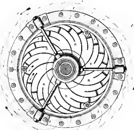
Pompes

HYDRODYNAMICS.

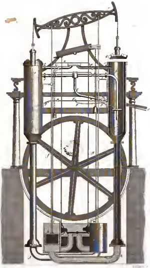




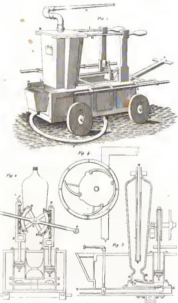




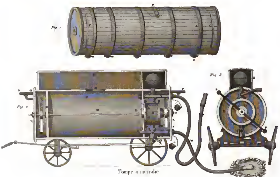
Turbine



Pompes



Pompe à incendie



Pompe à incendie

Fig. 1.

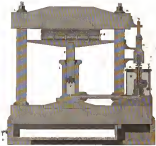
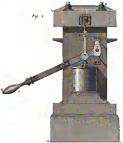
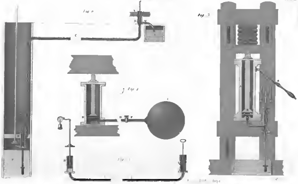


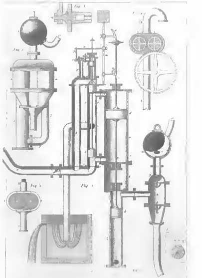
Fig. 2



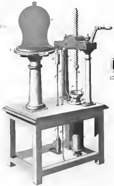
Presse Hydraulique

HYDROSTATIQUE



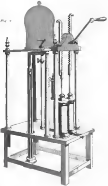


Machine à colonne d'eau

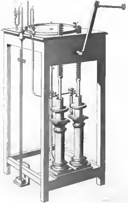




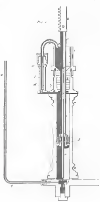


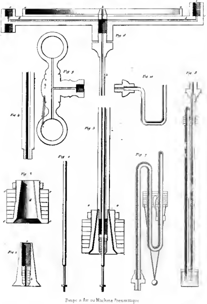


Pompe à Air ou Machine Pneumatique



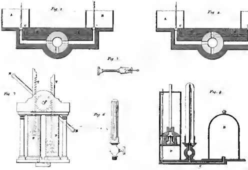




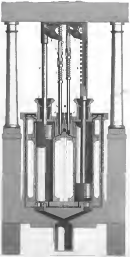


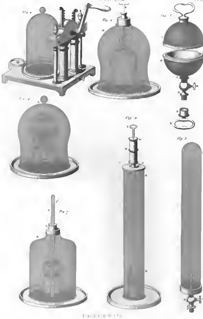
Pompe à Air ou Machine Pneumatique

HYDROSTATIQUE.

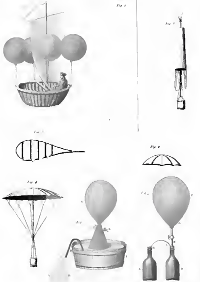


Machine Pneumatique

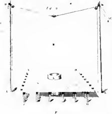




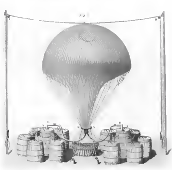




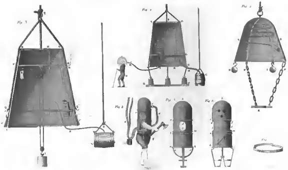
Aerostats



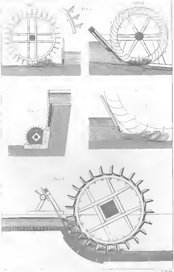




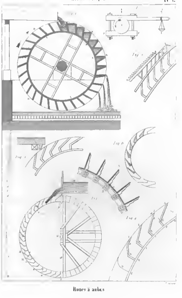
Aerostate



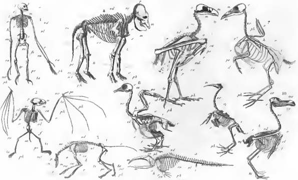
Cloches de plongeur



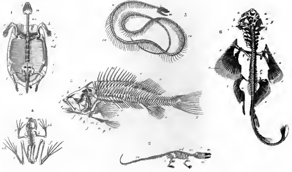
Roues à aubes



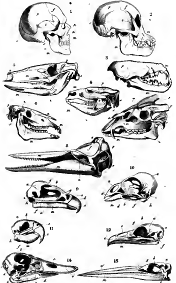
Roues à aubes



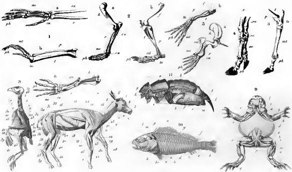
Anatomie comparée. Ostéologie



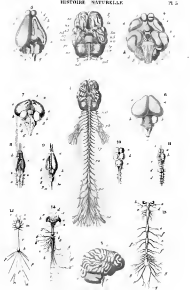
Anatomie comparée. Osteologie



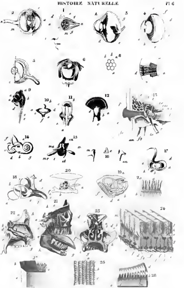
Anatomie comparée Ostéologie



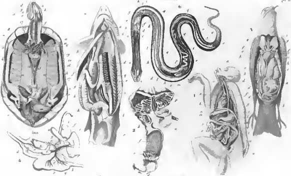
Anatomie comparée. Ostéologie et Myologie



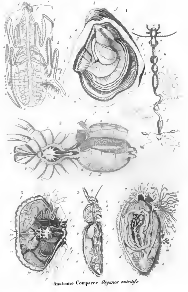
Anatomie Comparée. *Système nerveux.*



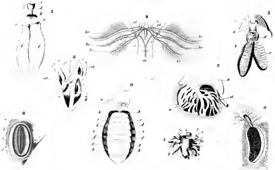
Anatomie Comparée Organes des Sens



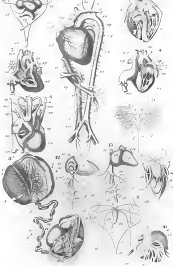
Anatomie Comparée. *Organes nutritifs.*



Anatomie Comparée. *Organes nutritifs*



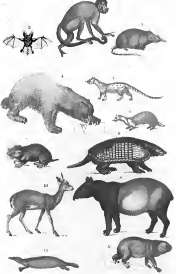
Anatomie Comparée. Appareil respiratoire



Anatomie Comparée. *Appareil circulatoire*



Zoologie générale



Zoologie Mammifères

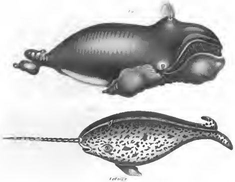


Fig. 1

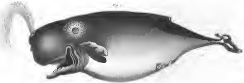


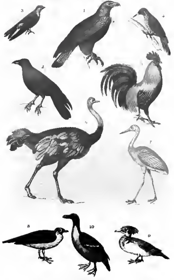
Fig. 2



Fig. 3



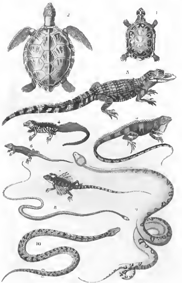
Cétacés



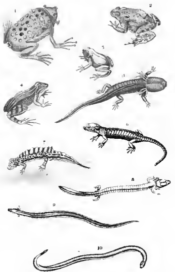
Zoologie. *Oiseaux*



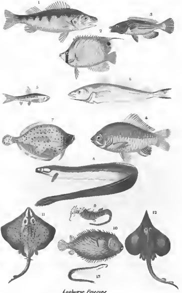
Zoologie *Oiseaux*



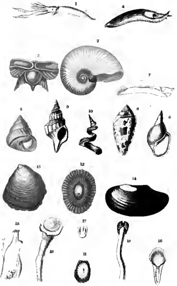
Zoologie Reptiles



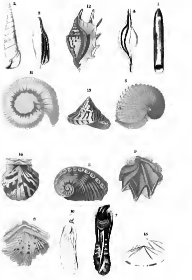
Zoologie Amphibiens ou Nudipellifères



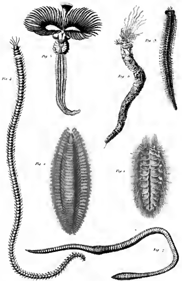
Zoologie Poissons



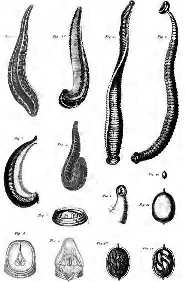
Zoologie Mollusques



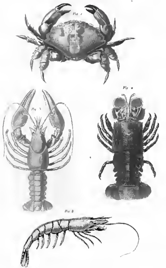
Zoologie Mollusques



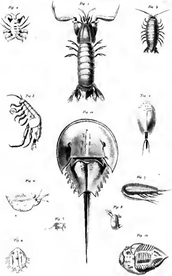
Annelides



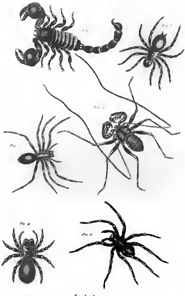
Annelides



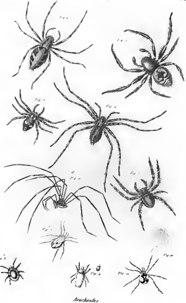
Crustacés 1



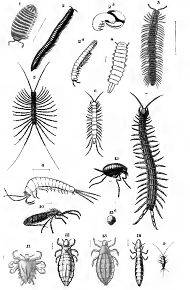
Crustacés 2



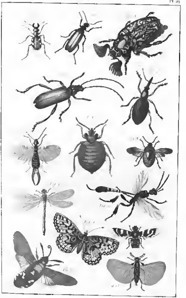
Arachnides



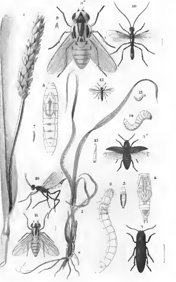
Arachnides



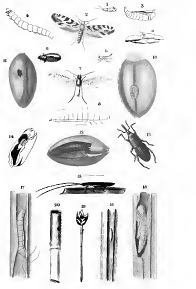
Insectes Aptères



Insectes



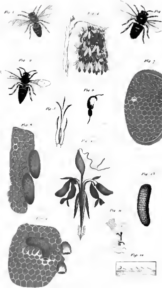
Insectes nuisibles aux Céréales



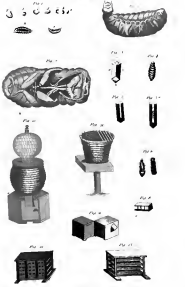
Insectes nuisibles aux Céréales



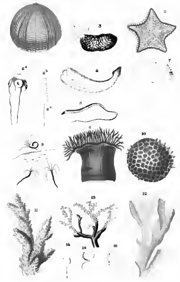
Insectes nuisibles à l'Agriculture



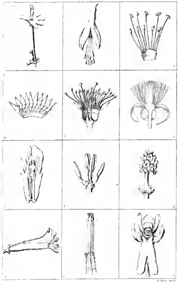
Abeilles



Abeilles

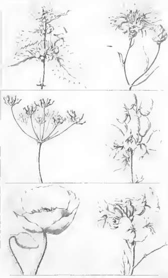


Zoologie *Zoophytes*



Botanique Systeme de Linne





Botanique. Système de Jussieu



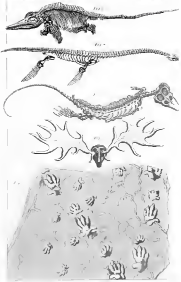
[illegible]ique. Système de J[illegible]



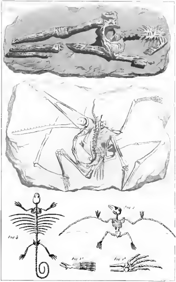
Botanique



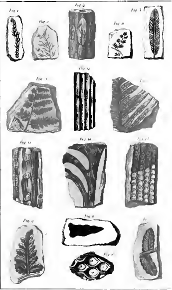
Botanique



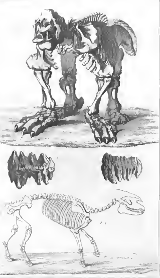
Animaux fossiles



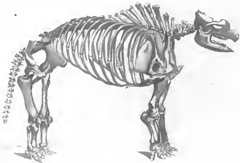
Animaux fossiles



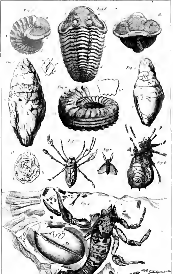
Plantes fossiles



Animaux fossiles



Animaux fossiles



Animaux fossiles

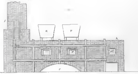


Fig. 2

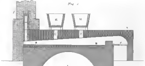
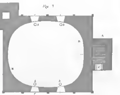
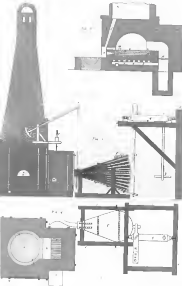
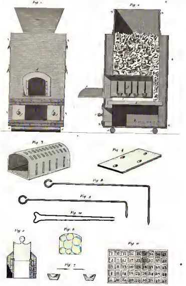


Fig. 3









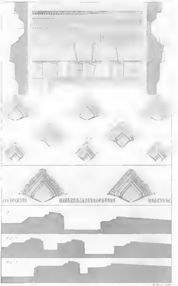
Essai des Métaux



Ambr



ances

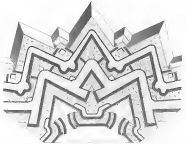


Fortification

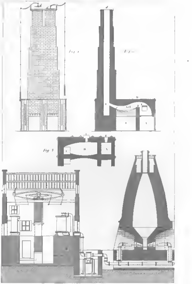
Fig. 1



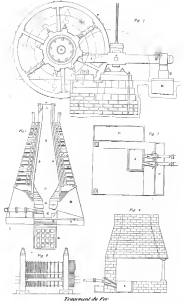
Fig. 2



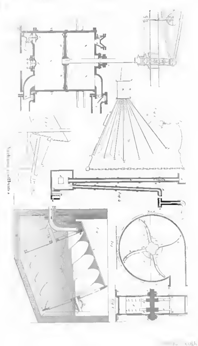
Fortification



Traitement du fer



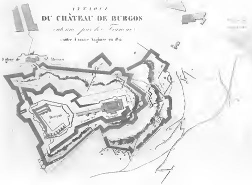
Traitement du Fer



DU CHÂTEAU DE BURGOS

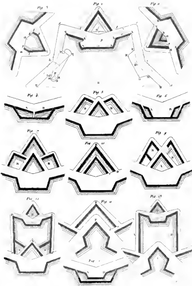
défendu par les Français

contre l'armée Anglaise en 1812

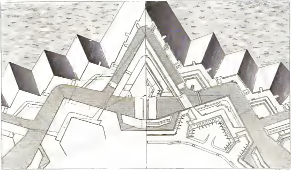




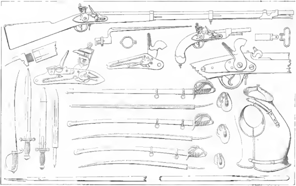
Attaque des Places



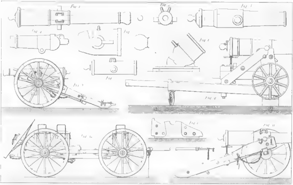
Fortification



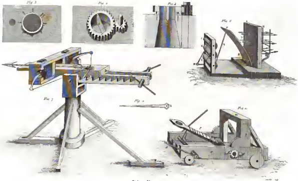
Fortification.



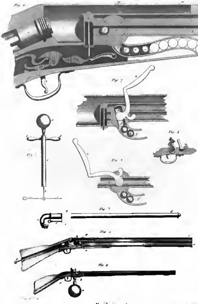
Armes



Canons, mortiers et affûts
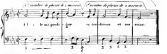


Catapultes
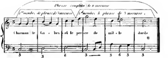


Fusils à vent
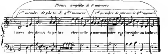
EXEMPLE
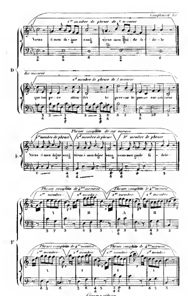


EXEMPLE



EXEMPLE
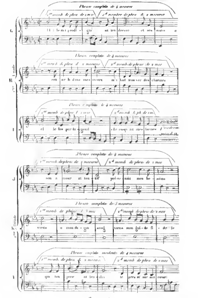


Composition.
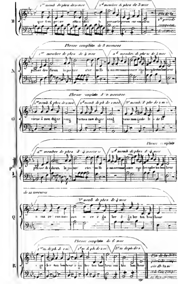


Composition
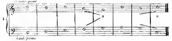
EXEMPLE MUSICAL DE L'AIR D'ŒDIPE,
DIVISÉ PAR MEMBRES DE PHRASE, PAR PHRASES COMPLÈTES ET PAR PÉRIODES
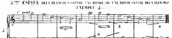


Composition


Phrase complète de 8 mesures
Phrase complète de 6 mesures
viens ô mon digne sang
Composition

1ère ESPÈCE. RONDE CONTRE RONDE.
EXEMPLE 1.
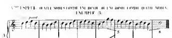
1


2ème ESPÈCE. DEUX BLANCHES CONTRE UNE RONDE OU UNE RONDE CONTRE DEUX BLANCHES.
EXEMPLE 2.
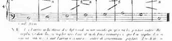
2


N.B. Ce signe ⊂⊃ est placé dans l'exemple ci-dessus pour indiquer les Passages où l'on fait usage du [illegible]

3ème ESPÈCE. QUATRE NOIRES CONTRE UNE RONDE OU UNE RONDE CONTRE QUATRE NOIRES.
EXEMPLE 3.

3
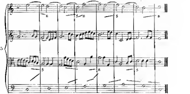

4ème ESPÈCE. DEUX BLANCHES CONTRE UNE RONDE AVEC DES LIAISONS.
EXEMPLE 4.

4


N.B. [illegible]

Contrepoint
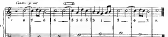
EXEMPLE 5.
CONTRE POINT FLEURI.



Canto fermo

EXEMPLE 6
CONTRE POINT DOUBLE A L'OCTAVE

Contre point
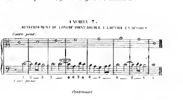


Canto fermo

La quinte qui se trouve à la 4ème mesure et que l'on a marquée du signe ═ est bonne en ce qu'elle est préparée par la sixte dans la mesure précédente. Voyez le même signe dans le renversement

EXEMPLE 7.
RENVERSEMENT DU CONTRE POINT DOUBLE A L'OCTAVE EN DESSOUS
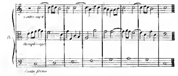
Contre point
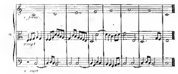


Canto fermo

EN TRIO EN AJOUTANT UNE PARTIE DE REMPLISSAGE
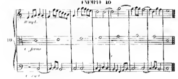
EXEMPLE 8



EXEMPLE 9
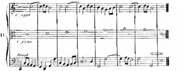


EXEMPLE 10
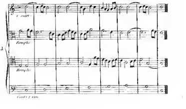


Contrepoint

EXEMPLE 11
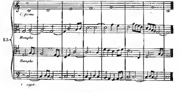


Ce signe ═══ indique le seul cas où il soit permis de faire une octave réelle et une octave cachée entre les parties supérieures et la basse, cette licence n'est tolérée qu'à la cadence finale lorsque le sujet donné ou Canto fermo se termine lui même par un mouvement de cadence parfaite. Dans ce cas la basse doit marcher en mouvement contraire avec le canto fermo.
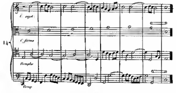
EN QUATUOR EN AJOUTANT DEUX PARTIES DE REMPLISSAGE
EXEMPLE 12
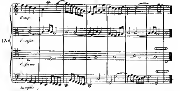


EXEMPLE 13



EXEMPLE 14
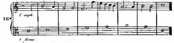


EXEMPLE 15
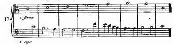


Ce signe ⊏⊐ est placé dans les exemples suivants dans la même intention que ceux en Trio

Contrepoint
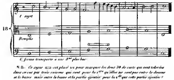
EXEMPLE 16. CONTRE POINT À L'OCTAVE EN CONSONNANCES.



EXEMPLE 17. RENVERSEMENT À L'OCTAVE EN DESSOUS.
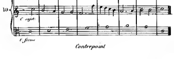


EXEMPLE 18. EN TRIO AVEC UNE PARTIE AJOUTÉE À LA TIERCE EN DESSUS DU CANTO FERMO.
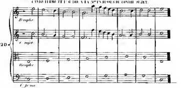


N.B. Ce signe ═ est placé ici pour marquer les deux 3tes de suite qui sont tolérées dans ce cas par trois raisons qui sont pour la 1ère qu'elles ne sont pas entre le dessus et la basse mais entre la basse et la partie ajoutée pour la 2de que cette partie ajoutée devant toujours marcher à la 3ce du canto fermo ne peut arrêter son mouvement et pour la 3ème c'est que le contre sujet faisant entendre la 6te de la basse l'apparence des deux 5tes de deux accords parfaits majeurs de suite n'existe plus

EXEMPLE 19. EN TRIO, AVEC UNE PARTIE AJOUTÉE À LA 3ce EN DESSUS DU CONTRE SUJET.
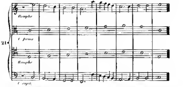


EXEMPLE 20. EN QUATUOR AVEC DEUX PARTIES AJOUTÉES L'UNE A LA 3me EN DESSUS DU CANTO FERMO ET L'AUTRE A LA 3me EN DESSUS DU CONTRE SUJET.

20
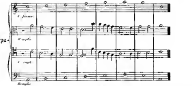


EXEMPLE 21. EN QUATUOR AVEC DEUX PARTIES AJOUTÉES L'UNE À LA 6te EN DESSUS DU CANTO FERMO ET L'AUTRE A LA Dme EN DESSUS DU CONTRE SUJET.

21
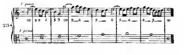


EXEMPLE 22. EN QUATUOR AVEC DEUX PARTIES AJOUTÉES L'UNE A LA 3me EN DESSOUS DU CANTO FERMO ET L'AUTRE A LA 6te EN DESSUS DU CONTRE SUJET.
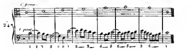
22
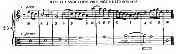


EXEMPLE 23. CONTRE POINT A LA DIXIÈME
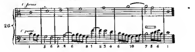


EXEMPLE 24. CONTRE POINT À LA DIXIÈME EN DESSOUS



EXEMPLE 25. POUR L'EMPLOI DE LA 3ce DANS LE CONTRE POINT A LA DIXIÈME UN CHANGEMENT DANS LE CANTO FERMO POUR OBTENIR LES SYNCOPES
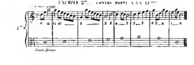


EXEMPLE 26. RENVERSEMENT DU CONTRE POINT A LA DIXIÈME EN DESSUS
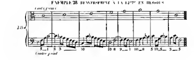


Contrepoint
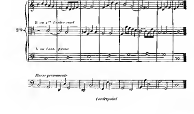
EXEMPLE 27. CONTRE POINT A LA 12me
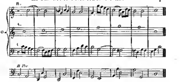


EXEMPLE 28. RENVERSEMENT A LA 12me EN DESSOUS
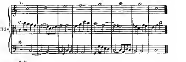


EXEMPLE 29. CONTRE POINT TRIPLE A L'8ve AVEC UNE BASE PERMANENTE AVEC LE CANTO FERMO A LA BASSE



EX. 30. AVEC LE CANTO FERMO À L'ALTO
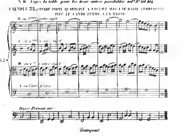


EX. 31. AVEC LE CANTO FERMO À LA 1ère PARTIE.
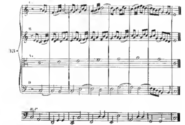


N. B. Voyez la table pour les trois autres possibilités vol. X. Col. 405

EXEMPLE 32. CONTRE POINT QUADRUPLE À L'OCTAVE AVEC UNE BASSE PERMANENTE AVEC LE CANTO FERMO À LA BASSE.
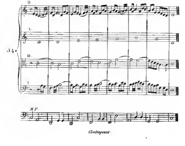


Contrepoint
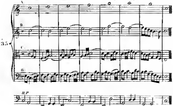
EX. 33 AVEC LE CANTO FERMO A L'ALTO



EX. 34 AVEC LE CANTO FERMO A LA 2de PARTIE
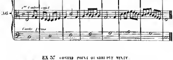


EX 35 AVEC LE CANTO FERMO A LA 1re PARTIE
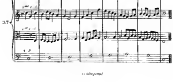


N. B. Voy. la table pour les 20 autres possibilités, vol. X Col 803

EX 36 CONTRE POINT TRIPLE MIXTE



EX 37 CONTRE POINT QUADRUPLE MIXTE



contrepoint